Amendments to the Claims

This listing of claims will replace the prior version in the application.

CLAIMS

1. (currently amended) A method for preparing electrodes based on activated carbon and carbon nanotubes on a collector, comprising the following steps:

(a) blending , in a solvent, ~~of~~ an initial powdery carbon material comprising activated carbon and carbon nanotubes comprising graphite foils rolled up as one or more sheets to form an initial powdery carbon material in a weight proportion of activated carbon to carbon nanotubes of from 95/5 to 50/50 ~~in a solvent;~~

(b) adding polymer binder and blending until homogenized to form a paste;

(c) drying of the paste;

(d) optionally, mixing of the paste; and

(e) covering of the collector with the paste.

2. (original) The method as claimed in claim 1, in which step a) is carried out by ultrasonication.

3. (previously presented) The method as claimed in claim 1, in which step a) is carried out at a temperature of at least $50^{O}C$.

4. (previously presented) The method as claimed in claim 1, in which the initial powdery carbon material of step a) is obtained by a method comprising the following steps:

(f) dispersion of the carbon nanotubes in a solvent;

(g) addition of the activated carbon and blending; and

(h) drying of the initial powdery carbon material.

5. (original) The method as claimed in claim 4, in which the addition of activated carbon is followed by ultrasonication.

6. (canceled)

7. (previously presented) The method as claimed in claim 1, in which the binder is an aqueous suspension of polytetrafluoroethylene or styrene/butadiene.

8. (currently amended) The method as claimed in claim 1, in which step d) (e) is carried out to fibrillation of the binder.

9. (previously presented) A method for preparing a paste based on activated carbon and carbon nanotubes, comprising steps a) to d) as claimed in claim 1.

10. (previously presented) An improved-aging electrode obtained by the method as claimed in claim 1.

11. (original) A supercapacitor comprising at least one electrode as claimed in claim 10.

12. (previously presented) The method as claimed in claim 4 in which said solvent is water.

13. (new) A method for preparing electrodes based on activated carbon and carbon nanotubes on a collector, comprising the following steps:

(a) blending, in a first solvent, an initial powdery carbon material comprising activated carbon and carbon nanotubes comprising graphite foils rolled up as one or more sheets to form an initial powdery carbon material in a weight proportion of activated carbon to carbon nanotubes of from 95/5 to 50/50;

(b) adding polymer binder, in a second solvent, and blending until homogenized to form a paste;

(c) drying of the paste to evaporate said first solvent;

(d) optionally, mixing of the paste;

(e) covering of the collector with the paste;

(f) drying the paste to evaporate said second solvent to form a film on said collector.